

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV
TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV** are overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSekwżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLXSekwżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL HKSLXSekwżo-Nr 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLXSekwżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Capacitance between conductors at 1 kHz, appr.	nF/km	50	50	50	60	60	70
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	70	70	70	70	70	70

Operating voltage U _o /U	0.6/1 kV	Operating temperature range	
Voltage test	3.5 kV rms	for fixed installation	from - 30 to + 80°C
Insulation resistance, minimum	100 MΩ·km	for movable installation	from - 5 to + 70°C
Inductance, approximate	0.7 mH/km	Minimum bending radius	10 x cable diameter
Conductor temperature limit		Cable combustibility	flame retardant
in work conditions	+ 90°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
at short-circuit	+ 250°C		

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0713 007	2 x 0,5	6.1	12.0	42
0713 012	3 x 0,5	6.4	16.8	50
0713 008	4 x 0,5	6.9	21.6	59
0713 013	5 x 0,5	7.5	26.4	72
0713 009	6 x 0,5	8.2	31.2	85
0713 014	7 x 0,5	8.2	36.0	86
0713 015	10 x 0,5	10.5	50.4	122
0713 016	12 x 0,5	10.8	60.0	136
0713 017	16 x 0,5	11.9	79.2	172
0713 018	20 x 0,5	13.4	98.4	220
0713 019	25 x 0,5	15.4	122.4	273
0713 020	32 x 0,5	16.5	156.0	324
0713 021	37 x 0,5	17.1	180.0	353
0713 022	40 x 0,5	17.8	194.4	380
0713 023	2 x 0,75	6.4	19.2	50
0713 024	3 x 0,75	6.8	26.4	61
0713 025	4 x 0,75	7.4	33.6	73
0713 026	5 x 0,75	8.0	40.8	88
0713 027	6 x 0,75	8.7	48.0	104
0713 028	7 x 0,75	8.7	55.2	106
0713 029	10 x 0,75	11.2	76.8	150
0713 030	12 x 0,75	11.5	91.2	169
0713 031	16 x 0,75	13.0	120.0	222
0713 032	20 x 0,75	14.5	148.8	280
0713 033	25 x 0,75	16.5	184.8	340
0713 034	34 x 0,75	18.8	249.6	457
0713 035	2 x 1,0	6.8	24.0	57
0713 001	3 x 1,0	7.2	33.6	71

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0713 036	4 x 1,0	7.8	43.2	85
0713 037	5 x 1,0	8.5	52.8	104
0713 038	6 x 1,0	9.3	62.4	123
0713 039	7 x 1,0	9.3	72.0	126
0713 040	10 x 1,0	11.9	100.8	178
0713 041	12 x 1,0	12.5	120.0	210
0713 042	16 x 1,0	13.8	158.4	267
0713 043	20 x 1,0	15.5	196.8	338
0713 044	25 x 1,0	17.6	244.8	412
0713 045	2 x 1,5	7.3	36.0	70
0713 006	3 x 1,5	7.8	50.4	88
0713 010	4 x 1,5	8.5	64.8	108
0713 003	5 x 1,5	9.2	79.2	132
0713 011	6 x 1,5	10.3	93.6	162
0713 005	7 x 1,5	10.3	108.0	169
0713 046	10 x 1,5	13.2	151.2	237
0713 047	12 x 1,5	13.6	180.0	271
0713 048	16 x 1,5	15.3	237.6	356
0713 049	20 x 1,5	16.9	295.2	441
0713 050	25 x 1,5	19.6	367.2	559
0713 051	2 x 2,5	8.2	55.2	91
0713 002	3 x 2,5	8.7	79.2	119
0713 052	4 x 2,5	9.5	103.2	147
0713 053	5 x 2,5	10.6	127.2	187
0713 054	6 x 2,5	11.6	151.2	224
0713 055	7 x 2,5	11.6	175.2	235
0713 056	10 x 2,5	15.1	247.2	341
0713 057	12 x 2,5	15.6	295.2	392

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0713 058	14 x 2,5	16.4	343.2	446
0713 059	16 x 2,5	17.3	391.2	507
0713 060	2 x 4,0	9.2	86.4	123
0713 061	3 x 4,0	9.7	124.8	162
0713 062	4 x 4,0	10.9	163.2	209
0713 063	5 x 4,0	11.9	201.6	260
0713 064	7 x 4,0	13.2	278.4	338
0713 065	3 x 6,0	11.2	182.4	226
0713 066	4 x 6,0	12.5	240.0	292
0713 067	5 x 6,0	13.7	297.6	364
0713 068	7 x 6,0	15.1	412.8	476
0713 069	3 x 10,0	13.5	297.6	360
0713 070	4 x 10,0	15.0	393.6	460
0713 071	5 x 10,0	16.8	489.6	578
0713 072	7 x 10,0	18.8	681.6	772

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0713 073	3 x 16,0	16.1	475.2	549
0713 074	4 x 16,0	17.7	628.8	707
0713 075	5 x 16,0	19.9	782.4	911
0713 076	7 x 16,0	21.8	1089.6	1195
0713 077	3 x 25,0	19.6	734.4	783
0713 078	4 x 25,0	21.7	974.4	1033
0713 079	5 x 25,0	24.1	1214.4	1304
0713 080	3 x 35,0	21.9	1022.4	1052
0713 081	4 x 35,0	24.3	1358.4	1360
0713 082	5 x 35,0	26.9	1694.4	1724
0713 083	3 x 50,0	27.0	1464.0	1480
0713 084	4 x 50,0	30.0	1944.0	1900
0713 085	5 x 50,0	33.5	2424.0	2410

Other cross-sections and conductor counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.